

## VHF FM HANDHELD TRANSCEIVER

# VX-110

144 MHz, Ultra-Rugged, 5 Watts!



Compact yet incredibly rugged, the VX-110 2-meter handheld is designed to perform under the most difficult operating conditions, and it's especially designed with the ease of operation you've come to expect from a Yaesu product. The VX-110's die-cast aluminum case houses a large, high-output speaker, and the illuminated keypad provides easy viewing during nighttime operation.

You need a radio that's as tough as your operating environment. You need the Vertex VX-110 from Yaesu!

- Frequency Range
  - RX 140~174 MHz
  - TX 144~148 MHz
- 5 Watts Power Output
- 209 Memories
- Simple 8-Key Operation
- 7-Digit Alphanumeric Memory Labels
- CTCSS and DCS Encode/Decode
- Omni-Glow™ Display Illumination
- 9 DTMF Auto-Dial Memories (16 digits each)
- Automatic Repeater Shift (ARS)
- ARTS™ (Auto-Range Transponder System)
- Wide/Narrow Deviation Selection
- TX and RX Battery Savers
- Time-Out Timer (TOT)
- Smart Search™ Auto Memory Loading
- Automatic Power-Off (APO)
- 1750 Hz Tone Calling for European Repeaters
- MIL-STD 810D/E
- Busy Channel TX Lock-Out (BCLO)
- Battery Voltage Meter
- ADMS-1F PC Programmable



# SPECIFICATIONS

## GENERAL

Frequency Coverage :	Rx 144~146 MHz (B1),140~174 MHz (B2) Tx 144~146 MHz (B1), (B2)
Channel Steps:	5, 10, 12.5, 15, 20, 25 & 50 kHz
Standard Repeater Shift:	600 kHz
Emission Type:	G3E
Supply Voltage:	6.0 to 16.0 VDC
Current Consumption:	Receive: 130 mA Transmit (HIGH: 5 W): 1.3 A (MID: 2 W): 800 mA (LOW: 0.5 W): 500 mA Auto Power Off: 8 mA
Antenna (SMA jack):	YHA-62 rubber flex antenna
Case Size (WHD):	58 (W) × 108.5 (H) × 26.5 (D) mm (2.3" × 4.3" × 1.0") (w/o knob & antenna)
Weight (approx.):	325g w/FNB-64 & antenna

## RECEIVER

Circuit Type:	Double-Conversion Superheterodyne
Sensitivity (for 12 dB SINAD):	Better than 0.16 µV
Adjacent Channel Selectivity:	Typical 70 dB
Intermodulation:	Typical 70 dB
Audio Output:	0.4 W @ 8 Ohms for 10 % THD @ 7.2 V

## TRANSMITTER

Power Output:	5.0/2.0/0.5 W @ 7.2 V
Frequency Stability:	Better than ±5 ppm
Maximum Deviation:	±5 kHz
Spurious Emissions:	Better than 60 dB below Carrier
Audio Distortion (@ 1 kHz):	Less than 5 % w/3 kHz Deviation
Microphone Type:	2 kΩ Condenser
Burst Tone:	1750 Hz

Specifications are subject to change, in the interest of technical improvement, without notice or obligation. Performance measurements are per EIA standards, unless noted otherwise. Comparative performance and other statements are based on market conditions as of the printing date of this brochure.

## OPTIONS AND ACCESSORIES

<b>FNB-64:</b>	7.2 V, 700 mAh Ni-Cd Battery Pack
<b>FNB-V57:</b>	7.2 V, 1100 mAh Ni-Cd Battery Pack
<b>FBA-25:</b>	Compact Dry Cell Battery Case for 6 AA-size cells
<b>NC-72B:</b>	120 VAC Compact Wall Charger for FNB-64
<b>NC-72C:</b>	240 VAC Compact Wall Charger for FNB-64
<b>NC-72F:</b>	220 VAC Compact Wall Charger for FNB-64
<b>NC-73B:</b>	120 VAC Desktop Rapid Charger
<b>NC-73C:</b>	240 VAC Desktop Rapid Charger
<b>MH-34B4B:</b>	External Hand Speaker/Microphone
<b>MH-37A4B:</b>	Earpiece/Microphone
<b>VC-25:</b>	VOX Headset
<b>E-DC-5B:</b>	DC Cable w/Noise Filter
<b>E-DC-6:</b>	DC Cable; plug and wire only
<b>CN-3:</b>	BNC-to-SMA Adapter
<b>CT-44:</b>	Microphone Adapter
<b>YHA-62:</b>	Rubber Flex Antenna
<b>CT-27:</b>	Cloning Cable

Sixteen-key VX-150 model (w/direct frequency and DTMF entry) also available



Availability of accessories may vary: some accessories are supplied as standard per local regulations and requirements, others may be unavailable in some regions. Check with your Yaesu dealer for additions to the abovelist. Batteries, Speaker/Mics, Chargers, etc. are warranted for one year.

About this brochure: because of printing process tolerances, the actual color hue or color density of product images shown in this brochure may be slightly different from that of the manufactured product. Some information may have been updated since the time of printing; please check with your Authorized Yaesu Dealer for complete details. Specifications guaranteed only within amateur bands.

We reserve the right to make changes at any time in equipment, optional accessories, specifications, model number, and availability.

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